

Notice of Allowability

Application No.

09/512,620

Examiner

Lilian Vo

Applicant(s)

SEXTON ET AL.

Art Unit

2127

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/1/04.
2. ☒ The allowed claim(s) is/are 1 - 3, 5 - 11 and 13 - 16 now renumbered as 1 - 14.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 09272004
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Lilian Vo
Examiner
Art Unit: 2127

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mrs. Margo Livesay on 9/27/2004.

3. The application has been amended as follows:

In the claims:

i) **Deleted claims 4 and 12.**

ii) **Replace claims 1 and 9:**

Claim 1. (Currently amended) A method for servicing requests received by a server in a multiple-user environment, the method comprising the steps of:

- establishing a first session between said server and a first user;
- establishing a second session between said server and a second user;
- responding to requests that are received by said server in said first session by
- executing virtual machine code using a first virtual machine instance; and

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responding to requests that are received by said server in said second session by executing virtual machine code using a second virtual machine instance;

wherein said first virtual machine instance and said second virtual machine instance are distinct instances of a same type of virtual machine;

wherein said first virtual machine instance exists within said server concurrently with said second virtual machine instance;

wherein said first virtual machine instance and said second virtual machine instance are two of a plurality of virtual machine instances, associated with said server, that share access to data stored in a shared state area allocated in volatile memory associated with said server;

wherein said plurality of virtual machine instances share read-only access to said data stored in said shared state area allocated in volatile memory within said server; and

wherein establishing the first session between said server and the first user includes establishing a first database session between a database system and the first user; and

establishing the second session between said server and the second user includes establishing a second database session between the database system and the first user.

Claim 9. (Currently amended) A computer-readable medium carrying instructions for servicing requests received by a server in a multiple-user environment, the instruction comprising instructions for performing the steps of:

establishing a first session between said server and a first user;

establishing a second session between said server and a second user;

responding to requests that are received by said server in said first session by executing virtual machine code using a first virtual machine instance; and

responding to requests that are received by said server in said second session by executing virtual machine code using a second virtual machine instance;

wherein said first virtual machine instance and said second virtual machine instance are distinct instances of a same type of virtual machine;

wherein said first virtual machine instance exists within said server concurrently with said second virtual machine instance;

wherein said first virtual machine instance and said second virtual machine instance are two of a plurality of virtual machine instances, associated with said server, that share access to data stored in a shared state area allocated in volatile memory associated with said server;

wherein said plurality of virtual machine instances share read-only access to said data stored in said shared state area allocated in volatile memory within said server; and

wherein establishing the first session between said server and the first user includes establishing a first database session between a database system and the first user;

and

establishing the second session between said server and the second user includes establishing a second database session between the database system and the first user.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lilian Vo whose telephone number is 571-272-3774. The examiner can normally be reached on Monday - Thursday, 7:30am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on 571-272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lilian Vo
Examiner
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September 27, 2004


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